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(21) International Application Number: <b>PCT/EP00/02400</b> (22) International Filing Date: <b>17 March 2000 (17.03.00)</b>  (30) Priority Data: 99106565.7                      31 March 1999 (31.03.99)                      EP 60/127,885                      5 April 1999 (05.04.99)                      US  (71) Applicant (for all designated States except US): <b>PIRELLI CAVI E SISTEMI S.P.A. [IT/IT]; Viale Sarca, 222, I-20126 Milano (IT).</b>  (72) Inventors; and (75) Inventors/Applicants (for US only): <b>BRANDI, Giovanni [IT/IT]; Piazza Aspromonte, 24, I-20131 Milano (IT). CONSONNI, Enrico [IT/IT]; Via Luini, 66, I-20038 Seregno (IT).</b>  (74) Agent: <b>GIANNESI, Pier, Giovanni; Pirelli S.p.A., Industrial Property Dept., Viale Sarca, 222, I-20126 Milano (IT).</b>		(81) Designated States: <b>AU, BR, CA, JP, NZ, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).</b>  <b>Published</b> <i>With international search report.</i>

(54) Title: OPTICAL CABLE FOR TELECOMMUNICATIONS

## (57) Abstract

Optical cable (1) for telecommunications, having low PMD and attenuation values, said cable comprising a central element (4), a plurality of optical fibres (3) and a layer of polymer material (5) devoid of discontinuities and incorporating both the central element (4) and the optical fibres, each of the optical fibres (3) being arranged along an open helix trajectory along which it has a torsion with a mean value of zero and a local maximum value of between 0.05 turns/m and 1.5 turns/m.

